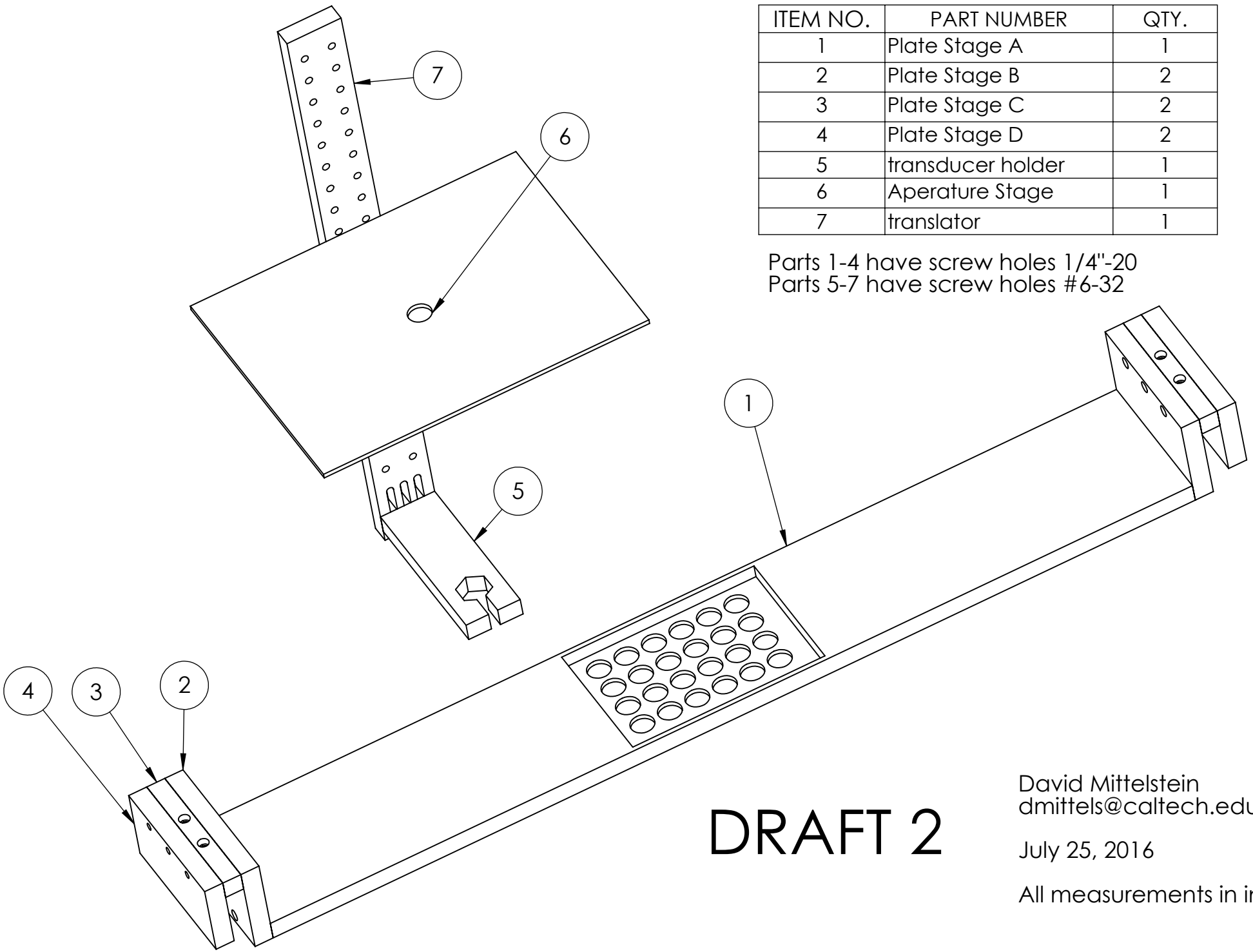


PROJECT: Translatable US Stage

ITEM NO.	PART NUMBER	QTY.
1	Plate Stage A	1
2	Plate Stage B	2
3	Plate Stage C	2
4	Plate Stage D	2
5	transducer holder	1
6	Aperature Stage	1
7	translator	1

Parts 1-4 have screw holes 1/4"-20
Parts 5-7 have screw holes #6-32



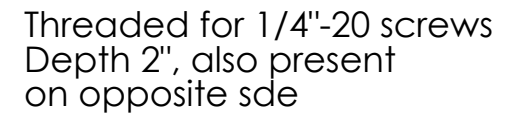
DRAFT 2

David Mittelstein
dmittels@caltech.edu

July 25, 2016

All measurements in inches

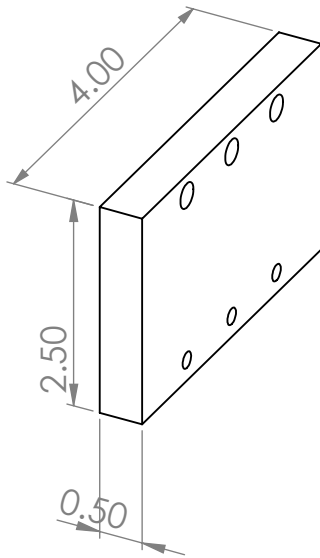
QUANTITY DESIRED: 1



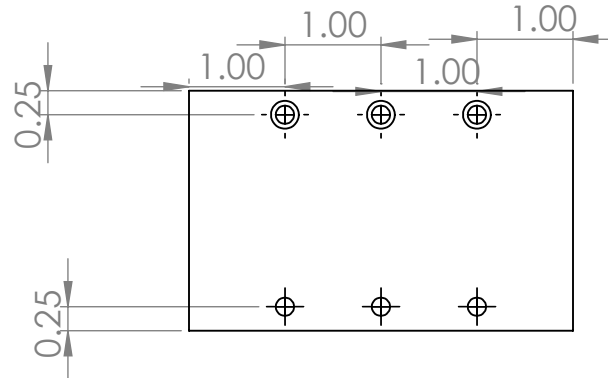
Dimensions are that corresponding to a 24 well tissue culture plate, I will provide the plate for your review

The bottom surface of this part must be smooth so that it can slide along another piece of metal

PART NAME: Stage B
QUANTITY DESIRED: 2



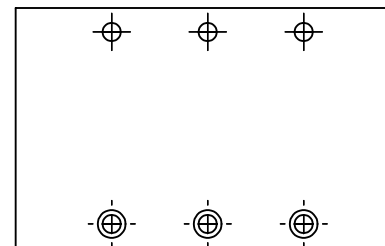
View from the Front



Top: Threaded counterbore
for screws entering
on this side

Bottom: threaded hole for
screws that entering on
opposite side

View from the Back

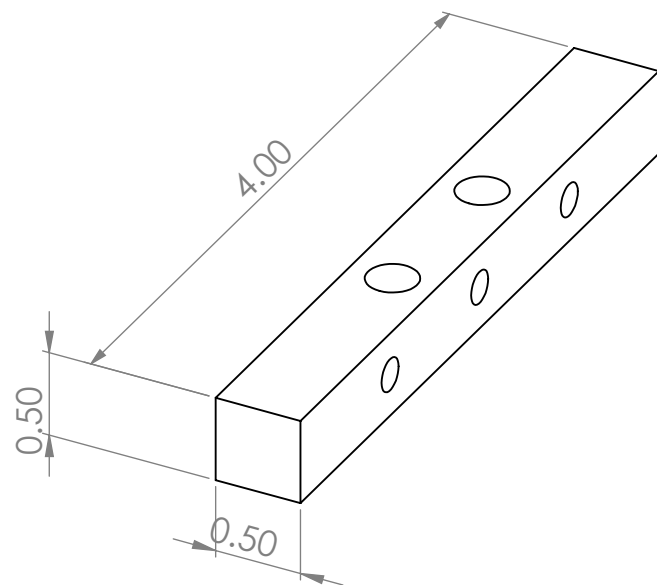


Top: threaded hole for
screws that entering on
opposite side

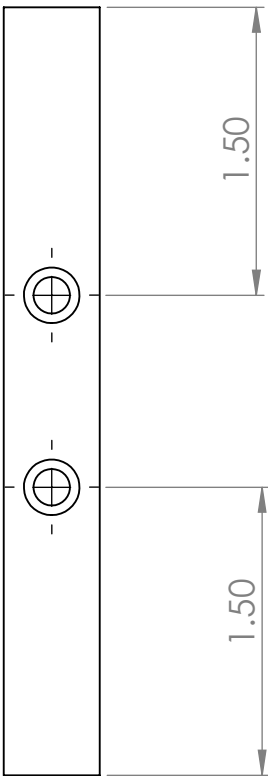
Bottom: Threaded counterbore
for screws entering
on this side

All screws holes are threaded at 1/4"-20
Counterbores must be such that screws do not protrude past the edge of the part

PART NAME: Stage C
QUANTITY DESIRED: 2

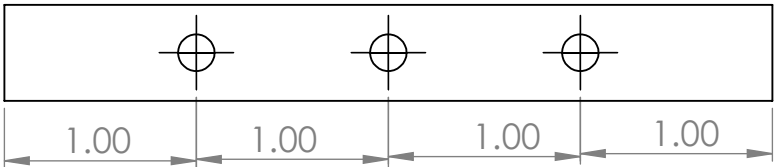


Top View:
Threaded counterbore
for screws
going through the part

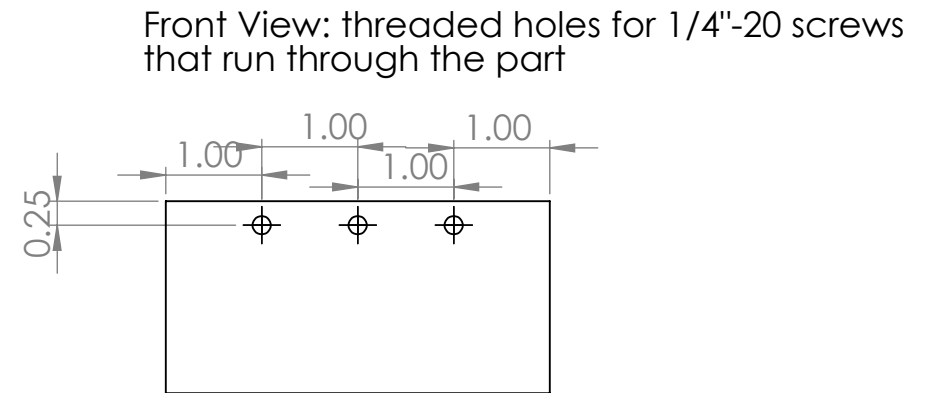
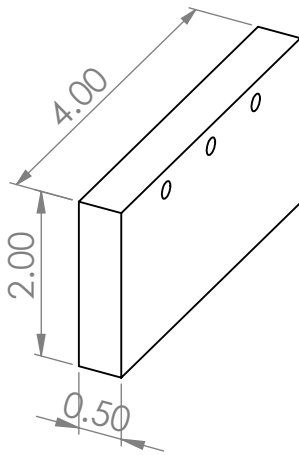


All screw holes are threaded at 1/4"-20

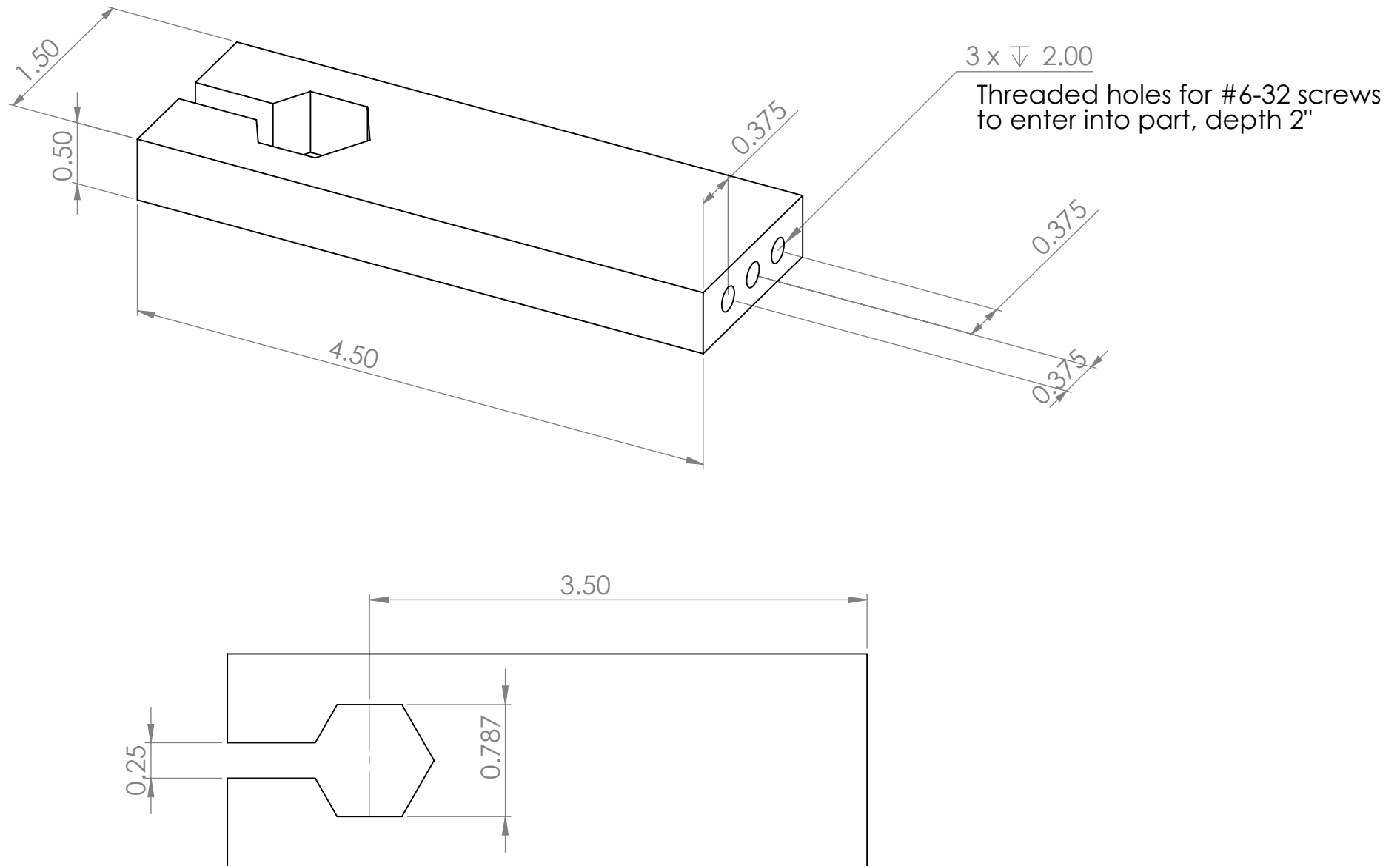
Side View:
Threaded holes for screws going through part



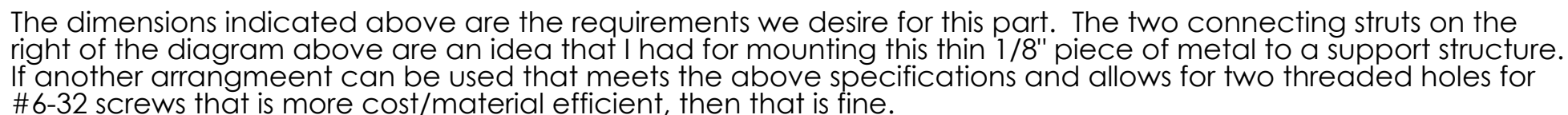
PART NAME: Stage D
QUANTITY DESIRED: 2



PART NAME: Transducer Holder
QUANTITY DESIRED: 1



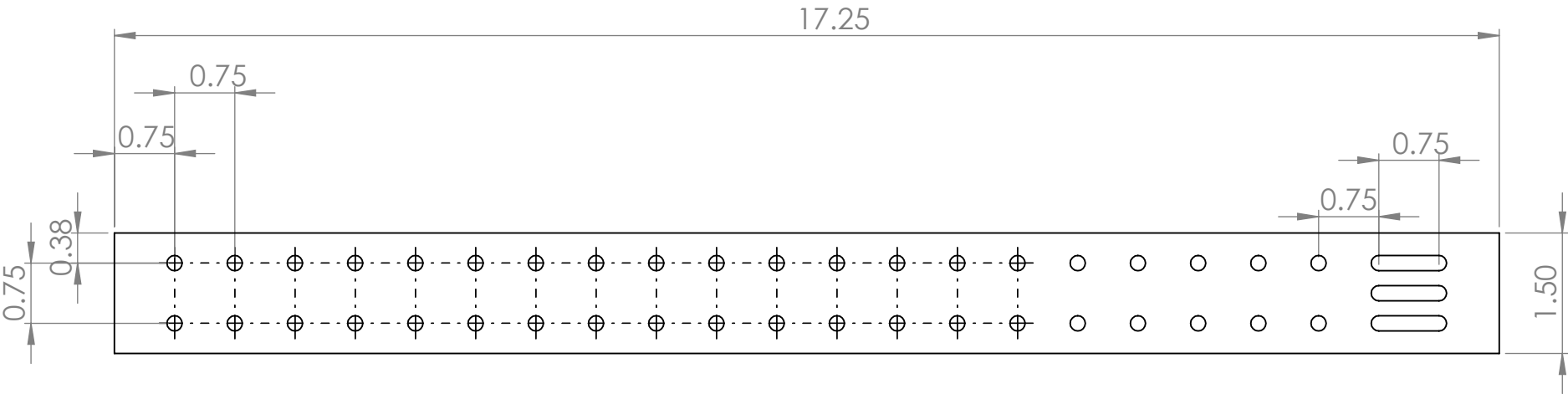
QUANTITY DESIRED: 1



The opposite side of this thin sheet must be smooth without defects so it can slide along another piece of smooth metal (the bottom side of "Stage A"

PART NAME: Translator
QUANTITY DESIRED: 1

Thicknes of metal part: 0.5"



All these holes are evenly spaced, go through the part and are threaded for #6-32

These slots have the same diameter as the #6-32 holes and go through the part